

1. A pair of dual complementary optics having a first lens and a second lens, comprising:
 - a. said first lens having a gradient of a multiplicity of bands, the uppermost series of bands having a primary color embedded therein and the lowermost series of bands having a complementary secondary color embedded therein, the amount of color correction units embedded in the uppermost primary color band being the greatest primary color in said first lens with the amount of color correction units successively decreasing in each lower primary colored band so that the lowermost primary colored band has the lowest amount of color correction units of the primary color, and thereafter the amount of color correction units in the uppermost complementary secondary colored band being the lowest amount of color correction units of secondary color with the amount of color correction units successively increasing in each lower secondary colored band so that the lowermost secondary colored band has the greatest amount of color correction units of secondary colors, the average percentage of visible light transmitted by all bands in the wavelength 400 nm to 550 nm being less than fifty percent and the average percentage of visible light transmitted by all bands in the wavelength range 550 nm to 750 nm being less than fifty percent;
 - b. said second lens having a gradient of a multiplicity of bands in the uppermost series of bands having the secondary color embedded therein, which secondary color is the same as the secondary color in said first lens, and the lowermost series of bands having the primary color embedded therein, which primary color is the same as the primary color in said first lens, the amount of color correction units embedded in the uppermost secondary colored band being the greatest secondary color in said second lens with the amount of color correction units successively decreasing in each lower secondary colored band so that the lowermost secondary colored band has the lowest amount of color correction units of the secondary color, and thereafter the amount of color correction units in the uppermost complementary primary colored band being the lowest amount of color correction

units of primary color with the amount of color correction units successively increasing in each lower primary colored band so that the lowermost primary colored band has the greatest amount of color correction units of primary color, the average percentage of visible light transmitted by all bands in the wavelength 400 nm to 550 nm being less than fifty percent and the average percentage of visible light transmitted by all bands in the wavelength range 550 nm to 750 nm being less than fifty percent;

- c. each band with the primary color embedded therein in said first lens aligned with a corresponding band in said second lens having the complementary secondary color embedded therein and the efficacy of each respective band with a primary color embedded therein within twenty-five percent of the efficacy of the aligned corresponding secondary colored band; and
- d. each band with the secondary color embedded therein in said first lens aligned with a corresponding band in said second lens having the complementary primary color embedded therein and the efficacy of each respective band with the secondary color embedded therein within twenty-five percent of the efficacy of the aligned corresponding primary color band.

- 2. The invention as defined in Claim 1, wherein said primary color is red and said secondary color is cyan.
- 3. The invention as defined in Claim 2, wherein the total number of bands is thirty-four and the uppermost nineteen bands in said first lens have the primary color embedded therein, the lowermost fifteen bands in said first lens having the secondary color embedded therein, the uppermost nineteen bands in said second lens having the secondary color embedded therein and the lowermost fifteen bands in said second lens having the primary color embedded therein.

4. The invention as defined in Claim 1, wherein said primary color is green and said secondary color is magenta.
5. The invention as defined in Claim 4, wherein the total number of bands is thirty-four and the uppermost nineteen bands in said first lens have the primary color embedded therein, the lowermost fifteen bands in said first lens have the secondary color embedded therein, the uppermost nineteen bands in said second lens have the secondary color embedded therein and the lowermost fifteen bands in said second lens have the primary color embedded therein.
6. The invention as defined in Claim 1, wherein said primary color is blue and said secondary color is yellow.
7. The invention as defined in Claim 1, wherein said optics is a pair of sunglasses.
8. The invention as defined in Claim 7, wherein said pair of sunglasses further comprises polarizing filters and ultraviolet filters.
9. The invention as defined in Claim 1, wherein said optics is a pair of contact lenses.
10. The invention as defined in Claim 1, wherein said optics is a pair of corrective lenses.
11. The invention as defined in Claim 1, wherein said optics is a pair of binoculars.
12. The invention as defined in Claim 1, wherein said optics is a pair of goggles.
13. A pair of dual complementary optics having a first lens and a second lens, comprising:
- a. said first lens having a gradient of a multiplicity of bands, the uppermost series of

bands having a primary color embedded therein and the lowermost series of bands having a complementary secondary color embedded therein, the amount of color correction units embedded in the uppermost primary color band being the greatest primary color in said first lens with the amount of color correction units successively decreasing in each lower primary colored band so that the lowermost primary colored band has the lowest amount of color correction units of the primary color, and thereafter the amount of color correction units in the uppermost complementary secondary colored band being the lowest amount of color correction units of secondary color with the amount of color correction units successively increasing in each lower secondary colored band so that the lowermost secondary colored band has the greatest amount of color correction units of secondary colors, the average percentage of visible light transmitted by all bands in the wavelength 400 nm to 550 nm being greater than fifty percent and the average percentage of visible light transmitted by all bands in the wavelength range 550 nm to 750 nm being greater than fifty percent;

b. said second lens having a gradient of a multiplicity of bands in the uppermost series of bands having the secondary color embedded therein, which secondary color is the same as the secondary color in said first lens, and the lowermost series of bands having the primary color embedded therein, which primary color is the same as the primary color in said first lens, the amount of color correction units embedded in the uppermost secondary colored band being the greatest secondary color in said second lens with the amount of color correction units successively decreasing in each lower secondary colored band so that the lowermost secondary colored band has the lowest amount of color correction units of the secondary color, and thereafter the amount of color correction units in the uppermost complementary primary colored band being the lowest amount of color correction units of primary color with the amount of color correction units successively increasing in each lower primary colored band so that the lowermost primary

colored band has the greatest amount of color correction units of primary color, the average percentage of visible light transmitted by all bands in the wavelength 400 nm to 550 nm being greater than fifty percent and the average percentage of visible light transmitted by all bands in the wavelength range 550 nm to 750 nm being greater than fifty percent;

- c. each band with the primary color embedded therein in said first lens aligned with a corresponding band in said second lens having the complementary secondary color embedded therein and the efficacy of each respective band with a primary embedded therein within twenty-five percent of the efficacy of the aligned corresponding secondary color band; and
- d. each band with the secondary color embedded therein in said first lens aligned with a corresponding band in said second lens having the complementary primary color embedded therein and the efficacy of each respective band with the secondary color embedded therein within twenty-five percent of the efficacy of the aligned corresponding primary colored band.

- 14. The invention as defined in Claim 13, wherein said primary color is red and said secondary color is cyan.
- 15. The invention as defined in Claim 14, wherein the total number of bands is thirty-four and the uppermost eighteen bands in said first lens have the primary color embedded therein, the lowermost sixteen bands in said first lens having the secondary color embedded therein, the uppermost eighteen bands in said second lens having the secondary color embedded therein and the lowermost sixteen bands in said second lens having the primary color embedded therein.
- 16. The invention as defined in Claim 13, wherein said primary color is green and said secondary color is magenta.

17. The invention as defined in Claim 16, wherein the total number of bands is thirty-four and the uppermost eighteen bands in said first lens have the primary color embedded therein, the lowermost sixteen bands in said first lens have the secondary color embedded therein, the uppermost eighteen bands in said second lens have the secondary color embedded therein and the lowermost sixteen bands in said second lens have the primary color embedded therein.
18. The invention as defined in Claim 13, wherein said primary color is blue and said secondary color is yellow.
19. The invention as defined in Claim 18, wherein the total number of bands is thirty-four and the uppermost eighteen bands in said first lens have the primary color embedded therein, with lowermost sixteen bands in said first lens having the secondary color embedded therein, the uppermost eighteen bands in said second lens having the secondary color embedded therein, and the lowermost 16 bands in said second lens having the primary color embedded therein.
20. The invention as defined in Claim 13, wherein said optics is a pair of sunglasses.
21. The invention as defined in Claim 13, wherein said pair of sunglasses further comprises polarizing filters and ultraviolet filters.
22. The invention as defined in Claim 13, wherein said optics is a pair of contact lenses.
23. The invention as defined in Claim 13, wherein said optics is a pair of corrective lenses.
24. The invention as defined in Claim 13, wherein said optics is a pair of binoculars.

25. The invention as defined in Claim 13, wherein said optics is a pair of goggles.
26. A pair of dual complementary optics having a first lens and a second lens, comprising:
- a. said first lens having a gradient of a multiplicity of bands, the uppermost series of bands having a primary color embedded therein and the lowermost series of bands having a complementary secondary color embedded therein, the amount of color correction units embedded in the uppermost primary color band being the greatest primary color in said first lens with the amount of color correction units successively decreasing in each lower primary colored band so that the lowermost primary colored band has the lowest amount of color correction units of the primary color, and thereafter the amount of color correction units in the uppermost complementary secondary colored band being the lowest amount of color correction units of secondary color with the amount of color correction units successively increasing in each lower secondary colored band so that the lowermost secondary colored band has the greatest amount of color correction units of secondary colors, the average percentage of visible light transmitted by all bands in the wavelength 400 nm to 550 nm being less than fifty percent and the average percentage of visible light transmitted by all bands in the wavelength range 550 nm to 750 nm being less than fifty percent;
- b. said second lens having a gradient of a multiplicity of bands in the uppermost series of bands having the secondary color embedded therein, which secondary color is the same as the secondary color in said first lens, and the lowermost series of bands having the primary color embedded therein, which primary color is the same as the primary color in said first lens, the amount of color correction units embedded in the uppermost secondary colored band being the greatest secondary color in said second lens with the amount of color correction units successively decreasing in each lower secondary colored band so that the lowermost secondary colored band has the lowest amount of color correction units of the secondary

color, and thereafter the amount of color correction units in the uppermost complementary primary colored band being the lowest amount of color correction units of primary color with the amount of color correction units successively increasing in each lower primary colored band so that the lowermost primary colored band has the greatest amount of color correction units of primary color, the average percentage of visible light transmitted by all bands in the wavelength 400 nm to 550 nm being less than fifty percent and the average percentage of visible light transmitted by all bands in the wavelength range 550 nm to 750 nm being less than fifty percent;

- c. each band with a primary color embedded therein in said first lens aligned with a corresponding band in said second lens having the complementary secondary color embedded therein; and
- d. each band with the secondary color embedded therein in said first lens aligned with a corresponding band in said second lens having a complementary primary color embedded therein.

- 27. The invention as defined in Claim 26, wherein said primary color is red and said secondary color is cyan.
- 28. The invention as defined in Claim 27, wherein the total number of bands is thirty-four and the uppermost nineteen bands in said first lens have the primary color embedded therein, the lowermost fifteen bands in said first lens having the secondary color embedded therein, the uppermost nineteen bands in said second lens having the secondary color embedded therein and the lowermost fifteen bands in said second lens having the primary color embedded therein.
- 29. The invention as defined in Claim 26, wherein said primary color is green and said secondary color is magenta.

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30. The invention as defined in Claim 29, wherein the total number of bands is thirty-four and the uppermost nineteen bands in said first lens have the primary color embedded therein, the lowermost fifteen bands in said first lens have the secondary color embedded therein, the uppermost nineteen bands in said second lens have the secondary color embedded therein and the lowermost fifteen bands in said second lens have the primary color embedded therein.
31. The invention as defined in Claim 26, wherein said primary color is blue and said secondary color is yellow.
32. The invention as defined in Claim 26, wherein said optics is a pair of sunglasses.
33. The invention as defined in Claim 32, wherein said pair of sunglasses further comprises polarizing filters and ultraviolet filters.
34. The invention as defined in Claim 26, wherein said optics is a pair of contact lenses.
35. The invention as defined in Claim 26, wherein said optics is a pair of corrective lenses.
36. The invention as defined in Claim 26, wherein said optics is a pair of binoculars.
37. The invention as defined in Claim 26, wherein said optics is a pair of goggles.
38. A pair of dual complementary optics having a first lens and a second lens, comprising:
- a. said first lens having a gradient of a multiplicity of bands, the uppermost series of bands having a primary color embedded therein and the lowermost series of bands having a complementary secondary color embedded therein, the amount of color correction units embedded in the uppermost primary color band being the greatest
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primary color in said first lens with the amount of color correction units successively decreasing in each lower primary colored band so that the lowermost primary colored band has the lowest amount of color correction units of the primary color, and thereafter the amount of color correction units in the uppermost complementary secondary colored band being the lowest amount of color correction units of secondary color with the amount of color correction units successively increasing in each lower secondary colored band so that the lowermost secondary colored band has the greatest amount of color correction units of secondary colors, the average percentage of visible light transmitted by all bands in the wavelength 400 nm to 550 nm being greater than fifty percent and the average percentage of visible light transmitted by all bands in the wavelength range 550 nm to 750 nm being greater than fifty percent;

- b. said second lens having a gradient of a multiplicity of bands in the uppermost series of bands having the secondary color embedded therein, which secondary color is the same as the secondary color in said first lens, and the lowermost series of bands having the primary color embedded therein, which primary color is the same as the primary color in said first lens, the amount of color correction units embedded in the uppermost secondary colored band being the greatest secondary color in said second lens with the amount of color correction units successively decreasing in each lower secondary colored band so that the lowermost secondary colored band has the lowest amount of color correction units of the secondary color, and thereafter the amount of color correction units in the uppermost complementary primary colored band being the lowest amount of color correction units of primary color with the amount of color correction units successively increasing in each lower primary colored band so that the lowermost primary colored band has the greatest amount of color correction units of primary color, the average percentage of visible light transmitted by all bands in the wavelength 400 nm to 550 nm being greater than fifty percent and the average percentage of

visible light transmitted by all bands in the wavelength range 550 nm to 750 nm
being greater than fifty percent;

- c. each band with a primary color embedded therein in said first lens aligned with a corresponding band in said second lens having the complementary secondary color embedded therein; and
- d. each band with the secondary color embedded therein in said first lens aligned with a corresponding band in said second lens having a complementary primary color embedded therein.

39. The invention as defined in Claim 38, wherein said primary color is red and said secondary color is cyan.

40. The invention as defined in Claim 39, wherein the total number of bands is thirty-four and the uppermost eighteen bands in said first lens have the primary color embedded therein, the lowermost sixteen bands in said first lens having the secondary color embedded therein, the uppermost eighteen bands in said second lens having the secondary color embedded therein and the lowermost sixteen bands in said second lens having the primary color embedded therein.

41. The invention as defined in Claim 38, wherein said primary color is green and said secondary color is magenta.

42. The invention as defined in Claim 41, wherein the total number of bands is thirty-four and the uppermost eighteen bands in said first lens have the primary color embedded therein, the lowermost sixteen bands in said first lens have the secondary color embedded therein, the uppermost eighteen bands in said second lens have the secondary color embedded therein and the lowermost sixteen bands in said second lens have the primary color embedded therein.

43. The invention as defined in Claim 38, wherein said primary color is blue and said secondary color is yellow.
44. The invention as defined in Claim 43, wherein the total number of bands is thirty-four and the uppermost eighteen bands in said first lens have the primary color embedded therein, with lowermost sixteen bands in said first lens having the secondary color embedded therein, the uppermost eighteen bands in said second lens having the secondary color embedded therein, and the lowermost sixteen bands in said second lens having the primary color embedded therein.
45. The invention as defined in Claim 38, wherein said optics is a pair of sunglasses.
46. The invention as defined in Claim 38, wherein said pair of sunglasses further comprises polarizing filters and ultraviolet filters.
47. The invention as defined in Claim 38, wherein said optics is a pair of contact lenses.
48. The invention as defined in Claim 38, wherein said optics is a pair of corrective lenses.
49. The invention as defined in Claim 38, wherein said optics is a pair of binoculars.
50. The invention as defined in Claim 38, wherein said optics is a pair of goggles.